

| Ref # | Hits | Search Query                                                            | DBs                                                | Default Operator | Plurals | Time Stamp       |
|-------|------|-------------------------------------------------------------------------|----------------------------------------------------|------------------|---------|------------------|
| S105  | 57   | S103 or S104                                                            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/21 11:41 |
| S104  | 37   | S100 and (electrode with (IrO2 or "IrO.sub.2" or RhO2 or "RhO.sub.2"))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/21 11:40 |
| S103  | 29   | S100 and (electrode with (oxide with (Ir or iridium or Rh or Rhodium))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/21 11:40 |
| S84   | 546  | S82 and (electrode with (oxide with (Ir or iridium or Rh or Rhodium)))  | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR               | OFF     | 2005/07/21 11:39 |
| S86   | 372  | S82 and (electrode with (IrO2 or "IrO.sub.2" or RhO2 or "RhO.sub.2"))   | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR               | OFF     | 2005/07/21 11:35 |
| S101  | 0    | S100 and (sub\$1oxide or (sub adj oxide))                               | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/21 11:34 |
| S100  | 1844 | 365/145,65.ccls.                                                        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/21 11:34 |
| S99   | 3066 | (257/295,310,410).ccls.                                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/21 11:34 |
| S97   | 12   | S96 and (sub\$1oxide or (sub adj oxide))                                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/21 11:34 |

|     |         |                                                                   |                                                    |    |     |                  |
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| S98 | 3       | (257/295,310,410).ccls. and (sub\$1oxide or (sub adj oxide)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/21 11:33 |
| S92 | 354     | (257/295,310,410).ccls. and @pd>"20040701"                        | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 11:32 |
| S96 | 21973   | S94 and S95                                                       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/21 11:25 |
| S95 | 44700   | ferroelectric                                                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/21 11:24 |
| S94 | 1372777 | electrode                                                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/21 11:24 |
| S80 | 37104   | ferroelectric                                                     | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 11:24 |
| S82 | 17099   | S80 and S81                                                       | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 11:23 |
| S81 | 1158845 | electrode                                                         | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 11:23 |
| S93 | 680     | S91 not S92                                                       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/21 10:44 |
| S91 | 1034    | S89 or S90                                                        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/21 10:44 |

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|-----|------|-------------------------------------------------------------|----------------------------------------------------|----|-----|------------------|
| S90 | 627  | (257/295,310,410).ccls. and @pd>"20040701"                  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/21 10:43 |
| S89 | 541  | (438/3,240).ccls. and @pd>"20040701"                        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/21 10:43 |
| S79 | 354  | (257/295,310,410).ccls. and @pd>"20040701"                  | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 10:43 |
| S46 | 193  | ((438/3, "240").ccls. or 361/313. ccls.) and @pd>"20020915" | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 10:42 |
| S87 | 199  | S86 not S84                                                 | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 10:36 |
| S85 | 7    | S82 and (sub\$1oxide)                                       | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 10:32 |
| S83 | 1233 | S82 and (electrode with (Ir or iridium or Rh or Rhodium))   | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 10:10 |
| S45 | 185  | (257/295, "310", "410").ccls. and @pd>"20020915"            | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2005/07/21 08:13 |
| S75 | 208  | ferroelectric and (upper with electrode with oxygen)        | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2004/07/01 11:23 |
| S1  | 2    | "6349940"                                                   | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2004/07/01 11:23 |
| S77 | 3    | "6309894".URPN.                                             | USPAT                                              | OR | ON  | 2004/07/01 09:53 |
| S76 | 1    | "5909043".PN.                                               | USPAT                                              | OR | ON  | 2004/07/01 09:49 |
| S73 | 377  | ferroelectric and (electrode with (Rh or Rhodium))          | USPAT; EPO; JPO; DERWENT; IBM_TDB                  | OR | OFF | 2004/07/01 09:24 |

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|-----|-----|----------------------------------------------------------------------------------------------|-----------------------------------|----|-----|------------------|
| S74 | 53  | (ferroelectric and (electrode with (Rh or Rhodium))) and (oxygen with (Rh or Rhodium))       | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/01 08:58 |
| S72 | 92  | ferroelectric with (Rh or Rhodium)                                                           | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/01 08:57 |
| S71 | 60  | ferroelectric with Rh                                                                        | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/01 08:57 |
| S70 | 141 | ferroelectric with ("ta <sub>1</sub> :sub. 2 O <sub>3</sub> sub. 5" or (tantalum adj oxide)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/01 08:56 |
| S2  | 0   | ferroelectric with oxygen with deficiency                                                    | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/06/30 18:28 |
| S69 | 6   | CERDIP and ferroelectric                                                                     | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/07 15:59 |
| S68 | 274 | CERDIP                                                                                       | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/07 15:59 |
| S67 | 14  | ferroelectric and (packag\$5 with anneal\$4)                                                 | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/07 15:59 |

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| S64 | 2 | ((US-6194754-\$ or US-6015987-\$ or US-6172386-\$ or US-6043561-\$ or US-5977577-\$ or US-5985713-\$ or US-5963466-\$ or US-5955754-\$ or US-5929475-\$ or US-5864153-\$ or US-5892254-\$ or US-5886867-\$ or US-5838605-\$ or US-5824590-\$ or US-5777356-\$ or US-5767541-\$ or US-5821005-\$ or US-5780886-\$ or US-5807495-\$ or US-5790366-\$ or US-5751540-\$ or US-5745336-\$ or US-5721700-\$ or US-5719417-\$ or US-5719416-\$ or US-5621681-\$).did. or (US-5625529-\$ or US-5475248-\$ or US-5708302-\$ or US-5612560-\$ or US-5612229-\$ or US-5293510-\$ or US-5350705-\$ or US-6229168-\$ or US-6338994-\$ or US-6307731-\$ or US-6211035-\$ or US-6191443-\$ or US-6117689-\$ or US-6010744-\$ or US-6258655-\$ or US-6309894-\$ or US-6307228-\$ or US-6300212-\$ or US-6197102-\$ or US-6200874-\$ or US-6124626-\$ or US-6091099-\$ or US-5994153-\$ or US-5909043-\$ or US-5825609-\$ or US-6197675-\$ or US-6020643-\$).did. or (US-5995359-\$ or US-6351006-\$ or US-6420192-\$ or US-6344413-\$ or US-5670808-\$ or US-6057081-\$ or US-6326216-\$ or US-5712759-\$ or US-5705443-\$ or US-5786259-\$ or US-5859274-\$ or US-6548342-\$ or US-6541375-\$ or US-5820946-\$ or US-6180971-\$).did. or (EP-920054-\$ or WO-9801904-\$ or WO-9808255-\$).did. or (JP-11040776-\$ or JP-02186614-\$ or JP-2000216350-\$ or JP-10287425-\$ or JP-10321809-\$ or JP-09232517-\$ or JP-05343616-\$ or JP-08264526-\$ or JP-2000058789-\$ or JP-11168193-\$).did. or (JP-2000101033-\$ or JP-11040776-\$ or US-5466629-\$ or US-6130102-\$ or US-6162649-\$ or JP-11251523-\$ or US-6022774-\$ or WO-9202050-\$ or US-5854104-\$ or US-5763633-\$ or US-5001087-\$ or US-5807774-\$ or US-6309894-\$ or WO-9808255-\$ or JP-11204743-\$).did.) and (pack\$5 with anneal\$4) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/07 12:27 |
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| S66 | 0 | ((US-6194754-\$ or US-6015987-\$ or US-6172386-\$ or US-6043561-\$ or US-5977577-\$ or US-5985713-\$ or US-5963466-\$ or US-5955754-\$ or US-5929475-\$ or US-5864153-\$ or US-5892254-\$ or US-5886867-\$ or US-5838605-\$ or US-5824590-\$ or US-5777356-\$ or US-5767541-\$ or US-5821005-\$ or US-5780886-\$ or US-5807495-\$ or US-5790366-\$ or US-5751540-\$ or US-5745336-\$ or US-5721700-\$ or US-5719417-\$ or US-5719416-\$ or US-5621681-\$).did. or (US-5625529-\$ or US-5475248-\$ or US-5708302-\$ or US-5612560-\$ or US-5612229-\$ or US-5293510-\$ or US-5350705-\$ or US-6229168-\$ or US-6338994-\$ or US-6307731-\$ or US-6211035-\$ or US-6191443-\$ or US-6117689-\$ or US-6010744-\$ or US-6258655-\$ or US-6309894-\$ or US-6307228-\$ or US-6300212-\$ or US-6197102-\$ or US-6200874-\$ or US-6124626-\$ or US-6091099-\$ or US-5994153-\$ or US-5909043-\$ or US-5825609-\$ or US-6197675-\$ or US-6020643-\$).did. or (US-5995359-\$ or US-6351006-\$ or US-6420192-\$ or US-6344413-\$ or US-5670808-\$ or US-6057081-\$ or US-6326216-\$ or US-5712759-\$ or US-5705443-\$ or US-5786259-\$ or US-5859274-\$ or US-6548342-\$ or US-6541375-\$ or US-5820946-\$ or US-6180971-\$).did. or (EP-920054-\$ or WO-9801904-\$ or WO-9808255-\$).did. or (JP-11040776-\$ or JP-02186614-\$ or JP-2000216350-\$ or JP-10287425-\$ or JP-10321809-\$ or JP-09232517-\$ or JP-05343616-\$ or JP-08264526-\$ or JP-2000058789-\$ or JP-11168193-\$).did. or (JP-2000101033-\$ or JP-11040776-\$ or US-5466629-\$ or US-6130102-\$ or US-6162649-\$ or JP-11251523-\$ or US-6022774-\$ or WO-9202050-\$ or US-5854104-\$ or US-5763633-\$ or US-5001087-\$ or US-5807774-\$ or US-6309894-\$ or WO-9808255-\$ or JP-11204743-\$).did.) and (packaging with temperature) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/10/07 12:26 |
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| S65 | 1 | ((US-6194754-\$ or US-6015987-\$ or US-6172386-\$ or US-6043561-\$ or US-5977577-\$ or US-5985713-\$ or US-5963466-\$ or US-5955754-\$ or US-5929475-\$ or US-5864153-\$ or US-5892254-\$ or US-5886867-\$ or US-5838605-\$ or US-5824590-\$ or US-5777356-\$ or US-5767541-\$ or US-5821005-\$ or US-5780886-\$ or US-5807495-\$ or US-5790366-\$ or US-5751540-\$ or US-5745336-\$ or US-5721700-\$ or US-5719417-\$ or US-5719416-\$ or US-5621681-\$).did. or (US-5625529-\$ or US-5475248-\$ or US-5708302-\$ or US-5612560-\$ or US-5612229-\$ or US-5293510-\$ or US-5350705-\$ or US-6229168-\$ or US-6338994-\$ or US-6307731-\$ or US-6211035-\$ or US-6191443-\$ or US-6117689-\$ or US-6010744-\$ or US-6258655-\$ or US-6309894-\$ or US-6307228-\$ or US-6300212-\$ or US-6197102-\$ or US-6200874-\$ or US-6124626-\$ or US-6091099-\$ or US-5994153-\$ or US-5909043-\$ or US-5825609-\$ or US-6197675-\$ or US-6020643-\$).did. or (US-5995359-\$ or US-6351006-\$ or US-6420192-\$ or US-6344413-\$ or US-5670808-\$ or US-6057081-\$ or US-6326216-\$ or US-5712759-\$ or US-5705443-\$ or US-5786259-\$ or US-5859274-\$ or US-6548342-\$ or US-6541375-\$ or US-5820946-\$ or US-6180971-\$).did. or (EP-920054-\$ or WO-9801904-\$ or WO-9808255-\$).did. or (JP-11040776-\$ or JP-02186614-\$ or JP-2000216350-\$ or JP-10287425-\$ or JP-10321809-\$ or JP-09232517-\$ or JP-05343616-\$ or JP-08264526-\$ or JP-2000058789-\$ or JP-11168193-\$).did. or (JP-2000101033-\$ or JP-11040776-\$ or US-5466629-\$ or US-6130102-\$ or US-6162649-\$ or JP-11251523-\$ or US-6022774-\$ or WO-9202050-\$ or US-5854104-\$ or US-5763633-\$ or US-5001087-\$ or US-5807774-\$ or US-6309894-\$ or WO-9808255-\$ or JP-11204743-\$).did.) and (pack\$5 with temperature) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/10/07 12:14 |
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| S63 | 5 | ((US-6194754-\$ or US-6015987-\$ or US-6172386-\$ or US-6043561-\$ or US-5977577-\$ or US-5985713-\$ or US-5963466-\$ or US-5955754-\$ or US-5929475-\$ or US-5864153-\$ or US-5892254-\$ or US-5886867-\$ or US-5838605-\$ or US-5824590-\$ or US-5777356-\$ or US-5767541-\$ or US-5821005-\$ or US-5780886-\$ or US-5807495-\$ or US-5790366-\$ or US-5751540-\$ or US-5745336-\$ or US-5721700-\$ or US-5719417-\$ or US-5719416-\$ or US-5621681-\$).did. or (US-5625529-\$ or US-5475248-\$ or US-5708302-\$ or US-5612560-\$ or US-5612229-\$ or US-5293510-\$ or US-5350705-\$ or US-6229168-\$ or US-6338994-\$ or US-6307731-\$ or US-6211035-\$ or US-6191443-\$ or US-6117689-\$ or US-6010744-\$ or US-6258655-\$ or US-6309894-\$ or US-6307228-\$ or US-6300212-\$ or US-6197102-\$ or US-6200874-\$ or US-6124626-\$ or US-6091099-\$ or US-5994153-\$ or US-5909043-\$ or US-5825609-\$ or US-6197675-\$ or US-6020643-\$).did. or (US-5995359-\$ or US-6351006-\$ or US-6420192-\$ or US-6344413-\$ or US-5670808-\$ or US-6057081-\$ or US-6326216-\$ or US-5712759-\$ or US-5705443-\$ or US-5786259-\$ or US-5859274-\$ or US-6548342-\$ or US-6541375-\$ or US-5820946-\$ or US-6180971-\$).did. or (EP-920054-\$ or WO-9801904-\$ or WO-9808255-\$).did. or (JP-11040776-\$ or JP-02186614-\$ or JP-2000216350-\$ or JP-10287425-\$ or JP-10321809-\$ or JP-09232517-\$ or JP-05343616-\$ or JP-08264526-\$ or JP-2000058789-\$ or JP-11168193-\$).did. or (JP-2000101033-\$ or JP-11040776-\$ or US-5466629-\$ or US-6130102-\$ or US-6162649-\$ or JP-11251523-\$ or US-6022774-\$ or WO-9202050-\$ or US-5854104-\$ or US-5763633-\$ or US-5001087-\$ or US-5807774-\$ or US-6309894-\$ or WO-9808255-\$ or JP-11204743-\$).did.) and (final\$4 near3 anneal\$4) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/10/07 12:12 |
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| S62 | 96 | (US-6194754-\$ or US-6015987-\$ or US-6172386-\$ or US-6043561-\$ or US-5977577-\$ or US-5985713-\$ or US-5963466-\$ or US-5955754-\$ or US-5929475-\$ or US-5864153-\$ or US-5892254-\$ or US-5886867-\$ or US-5838605-\$ or US-5824590-\$ or US-5777356-\$ or US-5767541-\$ or US-5821005-\$ or US-5780886-\$ or US-5807495-\$ or US-5790366-\$ or US-5751540-\$ or US-5745336-\$ or US-5721700-\$ or US-5719417-\$ or US-5719416-\$ or US-5621681-\$).did. or (US-5625529-\$ or US-5475248-\$ or US-5708302-\$ or US-5612560-\$ or US-5612229-\$ or US-5293510-\$ or US-5350705-\$ or US-6229168-\$ or US-6338994-\$ or US-6307731-\$ or US-6211035-\$ or US-6191443-\$ or US-6117689-\$ or US-6010744-\$ or US-6258655-\$ or US-6309894-\$ or US-6307228-\$ or US-6300212-\$ or US-6197102-\$ or US-6200874-\$ or US-6124626-\$ or US-6091099-\$ or US-5994153-\$ or US-5909043-\$ or US-5825609-\$ or US-6197675-\$ or US-6020643-\$).did. or (US-5995359-\$ or US-6351006-\$ or US-6420192-\$ or US-6344413-\$ or US-5670808-\$ or US-6057081-\$ or US-6326216-\$ or US-5712759-\$ or US-5705443-\$ or US-5786259-\$ or US-5859274-\$ or US-6548342-\$ or US-6541375-\$ or US-5820946-\$ or US-6180971-\$).did. or (EP-920054-\$ or WO-9801904-\$ or WO-9808255-\$).did. or (JP-11040776-\$ or JP-02186614-\$ or JP-2000216350-\$ or JP-10287425-\$ or JP-10321809-\$ or JP-09232517-\$ or JP-05343616-\$ or JP-08264526-\$ or JP-2000058789-\$ or JP-11168193-\$).did. or (JP-2000101033-\$ or JP-11040776-\$ or US-5466629-\$ or US-6130102-\$ or US-6162649-\$ or JP-11251523-\$ or US-6022774-\$ or WO-9202050-\$ or US-5854104-\$ or US-5763633-\$ or US-5001087-\$ or US-5807774-\$ or US-6309894-\$ or WO-9808255-\$ or JP-11204743-\$).did. | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2003/10/07 12:06 |
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| S61 | 2   | jp adj 08178907\$2                                                                                                                                                                                                                                                                                                   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 18:00 |
| S60 | 0   | jp08178907\$2                                                                                                                                                                                                                                                                                                        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 18:00 |
| S59 | 0   | jp08178907                                                                                                                                                                                                                                                                                                           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 18:00 |
| S52 | 2   | WO adj "9808255"                                                                                                                                                                                                                                                                                                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 18:00 |
| S58 | 2   | WO adj "9801904"                                                                                                                                                                                                                                                                                                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 17:09 |
| S57 | 0   | WO9801904                                                                                                                                                                                                                                                                                                            | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 17:09 |
| S56 | 159 | ((ferroelectric and (oxygen with ((forming or form or formed or deposite or depositing or deposition or deposited) near3 electrode\$1))) not ((ferroelectric and (oxygen with ((forming or form or formed or deposite or depositing or deposition or deposited) near3 electrode\$1))) and (Ir or IrO or Rh or RhO) ) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 17:09 |
| S55 | 0   | ("6455327":PN and ((ferroelectric and (oxygen with ((forming or form or formed or deposite or depositing or deposition or deposited) near3 electrode\$1))) and (Ir or IrO or Rh or RhO))) not "6455327":PN.                                                                                                          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 16:58 |
| S54 | 300 | (ferroelectric and (oxygen with ((forming or form or formed or deposite or depositing or deposition or deposited) near3 electrode\$1)))                                                                                                                                                                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 16:57 |
| S53 | 141 | (ferroelectric and (oxygen with ((forming or form or formed or deposite or depositing or deposition or deposited) near3 electrode\$1))) and (Ir or IrO or Rh or RhO)                                                                                                                                                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/05/12 16:57 |

|     |     |                                                                                                                                                                      |                                             |    |     |                  |
|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----|-----|------------------|
| S48 | 141 | (ferroelectric and (oxygen with ((forming or form or formed or deposite or depositing or deposition or deposited) near3 electrode\$1))) and (Ir or IrO or Rh or RhO) | USPAT; EPO; JPO; DERWENT; IBM_TDB           | OR | OFF | 2003/05/12 16:52 |
| S51 | 0   | WO9808255                                                                                                                                                            | USPAT; EPO; JPO; DERWENT; IBM_TDB           | OR | OFF | 2003/05/12 13:35 |
| S50 | 1   | WO98/08255                                                                                                                                                           | USPAT; EPO; JPO; DERWENT; IBM_TDB           | OR | OFF | 2003/05/12 13:35 |
| S49 | 10  | ("4001102"   "5043049"   "5443030"   "5593495"   "5625587"   "5767541"   "5929475"   "5943568"   "5976946"   "6022774").PN.                                          | USPAT                                       | OR | ON  | 2003/05/12 11:09 |
| S47 | 300 | ferroelectric and (oxygen with ((forming or form or formed or deposite or depositing or deposition or deposited) near3 electrode\$1))                                | USPAT; EPO; JPO; DERWENT; IBM_TDB           | OR | OFF | 2003/05/12 10:57 |
|     |     | ferroelectric and (oxygen with ((form\$5 or deposit\$4) near3 electrode))                                                                                            | USPAT; EPO; JPO; DERWENT; IBM_TDB           | OR | OFF | 2003/05/12 10:54 |
|     |     | ferroelectric and (oxygen with (form\$5 near3 electrode))                                                                                                            | USPAT; EPO; JPO; DERWENT; IBM_TDB           | OR | OFF | 2003/05/12 10:50 |
| S19 | 177 | (438/3, "240").ccls. and @py>"2001"                                                                                                                                  | USPAT; EPO; JPO; DERWENT; IBM_TDB           | OR | OFF | 2003/05/12 10:36 |
| S18 | 136 | (257/295, "310", "410").ccls. and @py>"2001"                                                                                                                         | USPAT; EPO; JPO; DERWENT; IBM_TDB           | OR | OFF | 2003/05/12 10:33 |
| S44 | 24  | "5807774"                                                                                                                                                            | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/25 16:06 |
| S43 | 0   | "6309894".URPN.                                                                                                                                                      | USPAT                                       | OR | OFF | 2002/09/22 13:20 |
| S42 | 1   | "5909043".PN.                                                                                                                                                        | USPAT                                       | OR | OFF | 2002/09/22 13:19 |

|     |     |                                                                                                   |                                            |    |     |                  |
|-----|-----|---------------------------------------------------------------------------------------------------|--------------------------------------------|----|-----|------------------|
| S41 | 14  | "5859274"                                                                                         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 13:04 |
| S40 | 22  | "5719417"                                                                                         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 13:03 |
| S38 | 238 | ferroelectric and ((pt or platinum )<br>near2 oxide)                                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 13:00 |
| S39 | 52  | ferroelectric and ("ptO. <sub>2</sub> " or<br>"PtO. <sub>2</sub> ")                               | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 12:11 |
| S37 | 77  | ferroelectric and ((pt or platinum )<br>near2 oxide)                                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 11:45 |
| S31 | 104 | ferroelectric and (PZT with SBT<br>with BST)                                                      | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 11:34 |
| S36 | 4   | "5995359"                                                                                         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 11:29 |
| S35 | 9   | (ferroelectric and (PZT with SBT<br>with BST)) and (Pt near3 oxide)                               | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 11:29 |
| S32 | 822 | "104" and (Pt same Ir same Rh)                                                                    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 11:03 |
| S34 | 25  | (ferroelectric and (PZT with SBT<br>with BST)) and (oxide\$1 with (Pt<br>same Ir same Rh))        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 09:58 |
| S33 | 37  | (ferroelectric and (PZT with SBT<br>with BST)) and (Pt same Ir same<br>Rh)                        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 09:58 |
| S30 | 9   | ferroelectric and (electrode\$1 with<br>evaporat\$6 with (oxygen or o2 or<br>"O. <sub>2</sub> ")) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2002/09/22 09:56 |

|     |      |                                                                                                                             |                                   |    |     |                  |
|-----|------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----|-----|------------------|
| S29 | 94   | ferroelectric and (evaporat\$6 with (oxygen or o2 or "O.sub. 2"))                                                           | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/22 09:50 |
| S28 | 31   | ((noble adj metal\$1) with Pt with Ir with Rh ) and "257"/\$3.ccls.                                                         | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/22 09:38 |
| S27 | 971  | (noble adj metal\$1) with Pt with Ir with Rh                                                                                | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/22 09:38 |
| S26 | 1393 | (noble adj metal\$1) with Pt with Ir                                                                                        | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/22 09:37 |
| S25 | 12   | "5783716"                                                                                                                   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/22 09:36 |
| S23 | 63   | (ferroelectric and (oxygen)) and (electrode with sputter\$4 with (oxygen or O2 or "O.sub. 2"))                              | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/22 08:36 |
| S24 | 10   | ("4001102"   "5043049"   "5443030"   "5593495"   "5625587"   "5767541"   "5929475"   "5943568"   "5976946"   "6022774").PN. | USPAT                             | OR | OFF | 2002/09/21 17:55 |
| S22 | 3165 | ferroelectric and (oxygen)                                                                                                  | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/21 17:38 |
| S21 | 996  | ferroelectric and (oxygen).ab.                                                                                              | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/21 17:38 |
| S11 | 514  | ferroelectric and (oxygen with electrode)                                                                                   | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/21 17:37 |
| S20 | 31   | (361/313).ccls. and @py>"2001"                                                                                              | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/21 17:36 |
| S17 | 6    | (((top or upper) adj electrode\$1) with ("platinum oxide" or "pt oxide" or "ptO.sub.2"))                                    | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/01/29 13:44 |

|     |     |                                                                                                                                                                          |                                   |    |     |                  |
|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----|-----|------------------|
| S16 | 4   | ferroelectric and (((top or upper) adj electrode\$1) with ("platinum oxide" or "pt oxide" or "ptO.sub.2"))                                                               | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/01/29 13:43 |
| S15 | 7   | ferroelectric and ((top or upper) adj electrode\$1) with ("platinum oxide" or (Pt near4 Rh near5 oxide\$1))                                                              | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/01/29 13:37 |
| S14 | 0   | ferroelectric and ((top or upper) adj electrode41) with ("platinum oxide" or (Pt near4 Rh near5 oxide\$1))<br><br>ferroelectric and (oxygen with form\$5 with electrode) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/01/29 13:23 |
| S13 | 10  | ferroelectric and (oxygen with presence with electrode)                                                                                                                  | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/01/28 17:01 |
| S12 | 32  | ferroelectric and (oxygen with (top adj electrode))                                                                                                                      | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/01/28 16:57 |
| S10 | 15  | ferroelectric with oxygen with deficiency                                                                                                                                | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/01/28 16:16 |
| S4  | 12  | ferroelectric with oxygen with deficiency                                                                                                                                | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/01/28 16:14 |
| S9  | 84  | (ferroelectric and (oxygen with implant\$7))                                                                                                                             | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2001/07/19 13:00 |
| S8  | 3   | (ferroelectric with oxygen with implant\$7)                                                                                                                              | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2001/07/19 13:00 |
| S7  | 115 | (ferroelectric with oxygen ) and "257"/\$3.ccls.                                                                                                                         | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2001/07/19 12:55 |
| S6  | 12  | (ferroelectric with oxygen ) and 257\$3.ccls.                                                                                                                            | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2001/07/18 16:06 |

|    |     |                                              |                                            |    |     |                  |
|----|-----|----------------------------------------------|--------------------------------------------|----|-----|------------------|
| S5 | 627 | ferroelectric with oxygen                    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2001/07/18 16:06 |
| S3 | 0   | ferroelectric with oxygen with<br>deficiency | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2001/04/10 10:59 |